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Sauget Sampling Field Office

# Fax

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To: Mike McAteer From: Kimberly Perry  
Fax: \_\_\_\_\_ Pages: 2  
Phone: \_\_\_\_\_ Date: 12/10/99  
Re: Sauget Area 4 cc: Milce Light, Bruce Vane  
Erik Kemper  
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Attached is method to define western  
boundary of site G.

Method to Further Identify the Approximate Western Boundary of Site G  
Sect. 5.1 of the FSP (As Applicable)  
9 Dec 99

- Step 1**
- Review aerial photos and available data to estimate west boundaries
  - Mark estimated west boundary to the south of the Wiese building and between the trailers to the West
  - Mark the first three potential drill locations to the south of the Wiese building and between the trailers to the West:
    - 1<sup>st</sup> - within 5 FT. of the southwest corner of the Wiese building
    - 2<sup>nd</sup> - half distance between the 1<sup>st</sup> marking and Route 3 to the west of the Wiese building
    - 3<sup>rd</sup> - half distance between the 1<sup>st</sup> marking and the western fence line of site G
  - Clear the area for utilities
  - Wiese coordination and logistics
- Step 2**
- Mobilize rig capable of probing and/or drilling
  - Construct DCON pad\*
  - Prepare Level C equipment
  - Drill/probe at the 1<sup>st</sup> marked location - Sect. 5.1 will be followed in general\*\*
    - waste presence/absence confirmed through drill cuttings or stainless steel probe sampler
      - waste presence will be documented in boring log and photographed (Sect. 5.1)
    - waste presence confirmed \*\*\*
      - mobilize to the next location to the west (2<sup>nd</sup> marked potential location stated above)
        - A) waste presence confirmed - mobilize to the next location to the West which will be half the distance between the present location and Route 3 to the west of the Wiese building (continue west mobilizing  $\geq 10$  FT. until Route 3)
      - waste absence confirmed - drill to top of water table (estimated at 15 FT.)
        - mobilize to the next location to the east (3<sup>rd</sup> marked potential location stated above)
          - B) waste absence confirmed - drill to top of water table (estimated at 15 FT.)
            - mobilize to the next location to the East which will be half the distance between the present location and western fence line of site G (continue east mobilizing  $\geq 10$  FT. until the western fence line of site G)
      - waste presence confirmed - GO TO "A" ABOVE
  - Drill/probe until the distance between a waste absence and waste presence confirmation boring is  $\leq 10$  FT.

**Step 3** Survey the appropriate drilled/probed locations

\*DCON operations and Investigative Derived Waste management will proceed as specified in the FSP (Sect. 5.1 and 9 as applicable)

\*\* Each boring will be documented as specified in the FSP (Sect. 5.1 as applicable)

\*\*\*Each boring will be filled as specified in the FSP (Sect. 5.1 as applicable)